

SHARED LOGIC FOR DECODING AND DEINTERLACING OF COMPRESSED VIDEO

Abstract

5 One embodiment includes a method that includes receiving a compressed
video stream. The method also includes decoding a number of blocks of the
compressed video stream to output a number of blocks of decoded video data. The
decoding is based on at least one motion compensation vector. The method also
includes deinterlacing the number of blocks of the decoded video data to output
10 deinterlaced video data. The deinterlacing of one of the blocks of the number of
blocks is based on the at least one motion compensation vector if a prediction error
energy for the at least one motion compensation vector for the block is less than a
threshold.

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